Patent Claims

1. Method for the continual and, in particular, the fast detection of changes of the concentration of radon gas dissolved in water, with the use of water-tight and gas-permeable membranes,
w h e r e i n,
without the realisation of a cycle, constantly new, radon-free gas is pumped through a gas zone surrounded by water and separated by a water-tight, gas-permeable membrane, into a radon measuring equipment unit where it is continually measured.

2. Method according to Claim 1,
w h e r e i n
the radon-free gas is air.

3. Method according to Claim 1,
w h e r e i n
the gas, after departing from the radon measuring equipment unit, is discharged to the ambient surroundings.

4. Method according to Claim 1,
w h e r e i n
the water and the measuring gas are conducted in the counter-current along the membrane.

5. Method according to Claim 1,
w h e r e i n
the water and the measuring gas are conducted parallel to the membrane.

6. Method according to one of the above-mentioned Claims 1 to 5,
w h e r e i n
the gas zone is a diffusion hose.

7. Device for the continual and, in particular, fast detection of the changes of concentration of radon gas dissolved in water,
w h e r e i n
a gas zone has an inlet and an outlet and is arranged in flowing water, where the inlet of the gas zone is connected to a gas source and the outlet of the gas zone is connected with the inlet of a radon measuring equipment unit.

8. Device according to Claim 7,
w h e r e i n
the outlet of the radon measuring equipment unit opens out in the ambient air.

9. Device according to Claim 7,
w h e r e i n
the gas zone is a diffusion hose.